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# TRADE IN GRAIN FUTURES

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ISSUED MONTHLY BY GRAIN FUTURES ADMINISTRATION,  
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WASHINGTON, D. C.

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November, 1931

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GRAIN FUTURES ADMINISTRATION

U. S. Department of Agriculture, Washington, D. C.

J. W. T. Duvel.....Chief

J. M. Mehl,...Assistant Chief

FIELD OFFICES

Chicago, Illinois: L.A. Fitz, In charge

Room 906- 332 S. LaSalle St.

Markets supervised: Chicago Board of Trade  
Chicago Open Board of Trade  
St. Louis Merchants' Exchange  
Milwaukee Chamber of Commerce

Kansas City, Missouri: W. F. Logan, In charge

556 Board of Trade Bldg.

Market supervised: Kansas City Board of Trade

Minneapolis, Minnesota: J. R. Mathewson, In charge

1024 Flour Exchange Bldg.

Markets supervised: Minneapolis Chamber of  
Commerce  
Duluth Board of Trade

New York, New York: Geo. H. Baston, In charge

45 Broadway,

Market supervised: New York Produce Exchange

Omaha, Nebraska: D. B. Bagnell, Acting in charge

601 Union State Bank Bldg.

Market supervised: Omaha Grain Exchange

Sacramento, California: L. M. Jeffers, In charge

Capitol Extension Office Bldg.

Markets supervised: Los Angeles Grain Exchange  
Grain Exchange Association  
of the San Francisco Cham-  
ber of Commerce

Seattle, Washington: L. E. Wolf, In charge

1840 Exchange Bldg.

Markets supervised: Seattle Grain Exchange  
Portland Grain Exchange



Table 1. WHEAT: Daily volume of trading (sales),  
Chicago Board of Trade, during November, 1931.

(In thousands of bushels, i.e., "000" omitted)

Date	F U T U R E				All Wheat Futures
	Dec.	March	May	July	
November, 1931					
Sunday					
2	10,011 H	842	54,987	3,384	69,224
3	8,446	1,156	51,068	3,473	64,143
4	7,481	1,098	59,164	3,815	71,558
5	7,591	1,072	64,438	4,211	77,312 H
6	5,743	961	58,523	3,830	69,057
7	4,245	496	41,663	3,132	49,536
Sunday					
9	4,044	670	56,364	4,124	65,202
10	5,544	751	64,555 H	4,601	75,451
Holiday					
12	3,710	1,162 H	51,304	3,793	59,969
13	4,246	684	51,681	4,506	61,117
14	4,472	911	55,083	4,584	65,050
Sunday					
16	2,910	778	35,826	3,223	42,737
17	4,354	351	45,916	3,583	54,204
18	2,068	543	38,451	4,839	45,901
19	1,995	418	25,255	2,093 L	29,761
20	7,173	574	53,430	5,888 H	67,065
21	1,731 L	559	33,662	4,765	40,717
Sunday					
23	2,349	607	41,718	5,074	49,748
24	2,170	521	37,062	5,217	44,970
25	2,454	389	35,830	4,508	43,181
Holiday					
27	3,463	928	42,875	5,243	52,509
28	2,252	304 L	21,757 L	3,759	28,072 L
Sunday					
30	4,347	488	35,061	5,255	45,151
Total, November, 1931	102,799	16,263	1,055,673	96,900	1,271,635
Total, October, 1931	248,591	8,863	494,073	27,592	779,119
Total, November, 1930	333,758	38,398	478,021	37,619	887,796

H-highest; L-lowest.

Table 2. WHEAT: Daily volume of trading (sales)  
all futures combined at four principal  
markets, during November, 1931.

(In thousands of bushels, i.e., "000" omitted)

Date	Chicago Board of Trade	Minneapolis Chamber of Commerce	Kansas City Board of Trade	Duluth (1) Board of Trade	Total
November, 1931					
Sunday					
2	69,224	2,825	7,292	486	79,827
3	64,143	3,309 H	7,333 H	1,056 H	75,841
4	71,558	1,893	4,547	504	78,502
5	77,312 H	2,230	5,387	561	85,490
6	69,057	2,002	5,547	507	77,113
7	49,536	1,774	3,210	427	54,947
Sunday					
9	65,202	2,411	5,290	425	73,328
10	75,451	3,073	7,325	619	86,468 H
Holiday					
12	59,969	2,460	5,518	618	68,565
13	61,117	2,122	5,239	417	68,895
14	65,050	2,472	4,149	286	71,957
Sunday					
16	42,737	1,874	3,829	243	48,683
17	54,204	2,275	5,238	586	62,303
18	45,901	1,639	4,160	360	52,060
19	29,761	1,254 L	2,727	231	33,973
20	67,065	2,215	4,316	171 L	73,767
21	40,717	1,492	4,073	325	46,607
Sunday					
23	49,748	1,402	3,333	256	54,739
24	44,970	1,776	3,525	447	50,718
25	43,181	1,312	2,970	321	47,784
Holiday					
27	52,509	1,626	4,564	247	58,946
28	28,072 L	1,959	2,693 L	666	33,390 L
Sunday					
30	45,151	2,156	4,753	509	52,569
Total, Nov. 1931	1,271,635	47,551	107,018	10,268	1,436,472
Total, Oct. 1931	779,119	35,513	66,469	10,312	891,413
Total, Nov. 1930	887,796	81,945	66,096	28,066	1,063,903

H-highest; L-lowest.  
(1) All Durum.

Table 3. WHEAT: Daily open commitments of Clearing Members,  
Chicago Board of Trade, during November, 1931.

(In thousands of bushels, i.e., "000" omitted)

Date	F U T U R E				All Wheat Futures
	Dec.	March	May	July	
November, 1931					
Sunday					
2	30,732 H	2,578	80,089 L	8,315 L	121,714
3	28,921	2,591	80,920	8,470	120,902 L
4	27,773	2,360	82,484	8,611	121,228
5	26,800	2,483	86,233	9,107	124,623
6	26,186	2,415	90,214	9,508	128,323
7	25,582	2,506	91,870	9,813	129,771
Sunday					
9	24,919	2,474	96,342	10,177	133,912 H
10	23,889	2,504	95,679	10,164	132,236
Holiday					
12	23,180	2,266 L	97,022	10,267	132,735
13	22,543	2,380	96,322	10,373	131,618
14	21,846	2,411	93,855	10,399	128,511
Sunday					
16	20,777	2,376	93,672	10,424	127,249
17	19,400	2,455	94,580	10,484	126,919
18	19,007	2,450	95,699	11,001	128,157
19	18,542	2,549	95,849	10,958	127,898
20	15,392	2,581	98,802 H	11,673	128,448
21	14,851	2,520	97,503	11,848	126,722
Sunday					
23	14,213	2,521	97,127	12,371	126,232
24	13,646	2,518	97,648	12,608	126,420
25	13,084	2,542	97,711	13,012	126,349
Holiday					
27	11,791	2,667 H	97,428	13,225	125,111
28	11,054	2,650	96,907	13,319	123,930
Sunday					
30	8,745 L	2,627	97,783	13,852 H	123,007
Average, November, 1931	20,125	2,497	93,554	10,869	127,044
Average, October, 1931	38,317	1,589	59,953	2,930	102,788
Average, November, 1930	63,328	17,646	89,763	4,951	175,688

H-highest; L-lowest.



Table 4. WHEAT: Daily open commitments of Clearing  
Members, all futures combined, at four  
principal markets during November, 1931.

(In thousands of bushels, i.e., "000" omitted)

Date	Chicago Board of Trade	Minneapolis Chamber of Commerce	Kansas City Board of Trade	Duluth (1) Board of Trade	Total
November, 1931					
Sunday					
2	121,714	12,133	26,619	1,998	162,464
3	120,902 L	12,205	26,328	1,966 L	161,401 L
4	121,228	12,289	26,211	2,051	161,779
5	124,623	12,414	26,045	2,091	165,173
6	128,323	12,352	25,842	2,168	168,685
7	129,771	12,493	25,843	2,246	170,353
Sunday					
9	133,912 H	12,615	26,233	2,256	175,016 H
10	132,236	12,424	25,830	2,360 H	172,850
Holiday					
12	132,735	12,533	25,751	2,314	173,333
13	131,618	12,353	25,740	2,299	172,010
14	128,511	12,211	25,405 L	2,303	168,430
Sunday					
16	127,249	12,254	25,490	2,253	167,246
17	126,919	12,472	25,917	2,265	167,573
18	128,157	12,284	26,334	2,210	168,985
19	127,898	12,411	26,258	2,167	168,734
20	128,448	12,573	26,839 H	2,167	170,027
21	126,722	12,612	26,073	2,108	167,515
Sunday					
23	126,232	12,701	26,410	2,131	167,474
24	126,420	12,897	26,141	2,070	167,528
25	126,349	12,917 H	26,017	2,064	167,347
Sunday					
27	125,111	12,705	25,780	2,055	165,651
28	123,930	12,395	25,596	2,002	163,923
Sunday					
30	123,007	12,079 L	25,698	2,020	162,804
Average, November, 1931	127,044	12,449	26,017	2,155	167,665
Average, October, 1931	102,788	12,006	26,492	1,628	142,914
Average, November, 1930	175,688	30,970	26,877	11,521	245,056

(1) All Durum.

H-highest; L-lowest.



Table 5. WHEAT: Daily high, low and closing prices of various futures, Chicago Board of Trade, during November, 1931.

(In cents per bushel)

F U T U R E							
Date	D E C E M B E R			:	M A Y		
	High	Low	Closing		High	Low	Closing
November, 1931							
Sunday				:			
2	63 7/8	61 1/4	63-63 1/8	:	68 1/2	66 1/8	67 3/4-5/8
3	64 1/8	61 1/2	62 1/8-62	:	68 3/4	66 1/8	66 3/4-5/8
4	65	60 7/8	64 1/2-3/8	:	69 3/4	65 3/4	69 5/8-3/8
5	67 1/4	65 1/8	65 1/2-3/4	:	72	70	70 1/2-5/8
6	66 7/8	63 1/4	66 7/8-3/4	:	71 3/4	68	71 1/2-5/8
7	67 1/2	65 5/8	66 3/4-5/8	:	72 1/2	70 3/8	71 1/2-3/8
Sunday				:			
9	68 1/8 H	65	66 1/2-1/4	:	73 H	69 7/8	71 3/8-1/8
10	66	63	65 3/8-1/2	:	71	68	68 1/4-3/8
Holiday				:			
12	62 3/4	61 1/8	61 1/4-1/8	:	67 3/4	65 7/8	66-65 7/8
13	61 3/4	59	59 1/8-59	:	66 1/2	64	64 1/8-64
14	58 3/4	56 1/2	57-56 3/4	:	63 3/4	61 3/8	61 7/8-3/4
Sunday				:			
16	59 3/8	58 1/4	59 3/8	:	64 1/4	62 7/8	64-64 1/8
17	61 1/2	59 5/8	61 1/8-61	:	66 1/2	64 3/8	65 7/8-3/4=
18	60	58 3/4	59 1/4-1/8	:	64 7/8	63 1/2	64-63 7/8
19	61	59 3/8	60 5/8-3/4	:	65 5/8	64 1/8	65 1/4-3/8
20	59 1/2	56 3/4	56 7/8-3/4	:	64 1/4	60 3/4	61-60 7/8
21	58 5/8	55 3/4	57 1/2-3/8	:	62 3/4	59 5/8	61 3/8-1/4
Sunday				:			
23	56 3/4	55	55 3/8	:	60 3/4	58 3/4	59-59 1/8
24	56 3/4	54 5/8	56 3/8	:	60 3/4	58 1/8	60-60 1/8
25	55	53 7/8	54 3/8-1/2	:	58 1/2	57 1/2	58 1/8-58
Holiday				:			
27	53	51 3/4	52 5/8-1/2	:	56 1/8	54 3/4 L	55 5/8-3/4
28	53 3/8	51 3/4 L	52 3/4-1/2	:	56 3/8	55	55 3/4-7/8
Sunday				:			
30	55	53	54 5/8=-5/8	:	58 3/8	56 5/8	58 1/8-58
Range, November, 1931		16 3/8		:		18 1/4	
Net change (Advance				:			
since 10/31/31 (Decline			6 1/2	:			7 7/8
Highest for future,		69		:		73	
Date	April 18, 1931			:	November 9, 1931		
Lowest for future,		44 5/8		:	48 3/4		
Date,	October 5, 1931			:	October 5, 1931		

H-highest; L-lowest; =-equal sign)-split.

Table 6. WHEAT: Daily closing prices of the December future at Chicago, Minneapolis, Kansas City, Duluth, Winnipeg, Liverpool and Buenos Aires, during November, 1931.  
(In cents per bushel)

Date	Chicago	Minneapolis	Kansas City	Duluth(1)	Winnipeg(2)	Liverpool(2)	Buenos Aires(2)
November, 1931							
Sunday							
2	63-63 1/8	75 7/8 b	56 a	73 5/8 b	63 1/4-3/8	65 1/2	52 3/8
3	62 1/8-62	74 1/2 b	55 a	72 5/8	62-62 1/8	67 1/8	51 3/4
4	64 1/2-3/8	77 b	57 1/2 a	75 3/8 b	63 5/8	66 5/8	54 1/4 H
5	65 1/2-3/4	78 7/8	59 1/4	77 b	64 1/4 b H	69 1/8 H	52 1/8
6	66 7/8-3/4 H	80-79 7/8 H	59 1/2	77 3/4 H	64 1/8-1/4	68	52 1/4
7	66 3/4-5/8	79 7/8-5/8 a	59 7/8-60 H	77 3/8 b	63 1/2	69	51 1/4
Sunday							
9	66 1/2-1/4	79 1/4 b	59 5/8 a	77 3/8 a	63 3/8-1/2	67 3/8	51 1/2
10	63 3/8-1/2	75 7/8	56 1/2 b	73 3/8 a	60 7/8-61	67 3/8	51 1/2
Holiday							
12	61 1/4-1/8	73 5/8	54 1/4	71 1/4 b	59 1/8	63 1/4	52 1/2
13	59 1/8-59	71 5/8 b	52 1/8 b	69 1/4	56 3/4	62	52 1/8
14	57-56 3/4	69 3/8 b	49 3/4	66 3/4 a	54 3/4	61 1/8	51
Sunday							
16	59 3/8	72 1/8 b	52 3/8	69 1/4	57 1/2-5/8	63 5/8	51 3/4
17	61 1/8-61	74 3/4	54 7/8 a	72 b	59 5/8-3/4	64	51 7/8
18	59 1/4-1/8	72 3/4	53= a	70 1/8 b	57 7/8	61 3/4	49 7/8
19	60 5/8-3/4	74 1/2 b	54 3/4	71 3/8 b	58 1/2-5/8	62 3/8	49 7/8
20	56 7/8-3/4	71 1/4 b	51 1/8 b	67 7/8 b	55 1/4= b	60 3/4	48 1/4
21	57 1/2-3/8	71 3/4 b	51 1/8	68 1/8 a	56 5/8-3/4	60 7/8	49 1/4
Sunday							
23	55 3/8	69 1/2	48 3/4-5/8	65 1/2 a	54 1/4 b	58 1/8	47 1/2
24	56 3/8	71 1/8	49 1/8-49	66 3/8 b	55 1/4-3/8	58 1/4	45 7/8
25	54 3/8-1/2	69	47 1/4 b	63 3/4	53 1/8-1/4	55 3/4	44
26	Holiday	Holiday	Holiday	Holiday	Hol.in U.S.	Hol.in U.S.	42 3/4
27	52 5/8-1/2 L	66 7/8 a L	44 7/8	61 a L	50	52 5/8	40 5/8 L
28	52 3/4-1/2	67 1/2	44 3/4 L	61 3/8 a	49 3/4-7/8 L	52 5/8 L	41 1/2
Sunday							
30	54 5/8-5/8	69 1/4-1/8	46 7/8= b	63 3/8	51 1/8 a	54 1/8	41 1/4
Range, Nov. 1931	14 3/8	13 1/8	15 1/4	16 3/4	14 1/2	16 1/2	13 5/8
Net change (Adv. since 10/31/31)	6 1/2	4 5/8	7 1/8	8 5/8	9 1/4	10 3/8	8 7/8
Average spread (Over Chicago)		13 1/2		10 3/8		2 1/2	
Average spread (Under Chicago)			6 3/4		1 3/4		10 3/4

H-highest; L-lowest; a-asked; b-bid; =(equal sign)-split.  
(1) Durum prices. (2) See note on last page of this report.

Table 7. CORN: Daily volume of trading (sales)  
Chicago Board of Trade, during November, 1931.

(In thousands of bushels, i.e., "000" omitted)

Date	F U T U R E				All Corn Futures
	Dec.	March	May	July	
November, 1931					
Sunday					
2	5,731	358	9,912	794	16,795
3	4,462	333	7,903	783	13,486
4	7,336	379	11,121	767	19,603
5	7,576 H	447	15,460 H	1,031	24,514 H
6	4,032	557 H	14,432	753	19,774
7	2,699	371	12,122	786	15,978
Sunday					
9	2,157	367	11,898	811	15,233
10	3,517	401	13,810	1,288	19,016
Holiday					
12	2,692	380	11,620	951	15,643
13	3,045	242	10,796	939	15,022
14	1,297	212	8,381	963	10,853
Sunday					
16	1,318	133	10,644	1,242	13,337
17	2,751	191	11,889	1,150	15,981
18	1,301	159	9,217	747	11,424
19	1,718	56 L	7,844	470 L	10,088
20	1,956	241	11,245	1,009	14,451
21	1,396	190	7,356	951	9,893
Sunday					
23	908 L	125	7,658	778	9,469
24	1,342	215	10,912	1,782 H	14,251
25	1,418	227	10,677	1,486	13,808
Holiday					
27	2,486	243	12,168	1,310	16,207
28	1,242	154	6,187 L	921	8,504 L
Sunday					
30	3,470	167	8,397	1,521	13,555
Total, November, 1931	65,850	6,148	241,649	23,238	336,885
Total, October, 1931	126,919	3,890	92,848	5,825	229,482
Total, November, 1930	150,228	23,912	194,787	12,098	381,025

H-highest; L-lowest.



Table 8. CORN: Daily volume of trading (sales)  
all futures combined at Chicago and  
Kansas City during November, 1931.

(In thousands of bushels, i.e., "000" omitted)

Date	Chicago Board of Trade	Kansas City Board of Trade	Total
November, 1931			
Sunday			
2	16,795	609	17,404
3	13,486	446	13,932
4	19,603	604	20,207
5	24,514 H	925	25,439 H
6	19,774	738	20,512
7	15,978	572	16,550
Sunday			
9	15,233	681	15,914
10	19,016	1,118 H	20,134
Holiday			
12	15,643	990	16,633
13	15,022	595	15,617
14	10,853	367	11,220
Sunday			
16	13,337	560	13,897
17	15,981	648	16,629
18	11,424	621	12,045
19	10,088	330	10,418
20	14,451	833	15,284
21	9,893	524	10,417
Sunday			
23	9,469	292	9,761
24	14,251	766	15,017
25	13,808	595	14,403
Holiday			
27	16,207	566	16,773
28	8,504 L	245 L	8,749 L
Sunday			
30	13,555	334	13,889
Total, November, 1931	336,885	13,959	350,844
Total, October, 1931	229,482	6,775	236,257
Total, November, 1930	381,025	23,534	404,559

H-highest; L-lowest.



Table 9. CORN: Daily open commitments of Clearing  
Members, Chicago Board of Trade, during  
November, 1931.

(In thousands of bushels, i.e., "000" omitted)

Date	F U T U R E				All Corn Futures
	Dec.	March	May	July	
November, 1931					
Sunday					
2	16,641 H	1,701	15,809 L	1,842 L	35,993 L
3	16,452	1,756	16,633	2,063	36,904
4	15,871	1,688	17,037	2,140	36,736
5	15,453	1,741	19,736	2,427	39,357
6	14,919	1,617 L	20,635	2,557	39,728
7	14,786	1,655	22,038	2,548	41,027
Sunday					
9	14,712	1,782	22,381	2,711	41,586
10	13,897	1,876 H	22,634	2,751	41,158
Holiday					
12	13,676	1,775	22,777	2,680	40,908
13	13,031	1,703	22,919	2,654	40,307
14	12,879	1,639	22,979	2,789	40,286
Sunday					
16	12,560	1,640	23,267	2,876	40,343
17	12,231	1,663	23,628	2,989	40,511
18	12,271	1,665	24,483	3,079	41,498
19	12,225	1,673	24,947	3,077	41,922 H
20	12,077	1,720	24,825	3,171	41,793
21	11,959	1,755	24,603	3,306	41,623
Sunday					
23	11,678	1,751	24,715	3,414	41,558
24	11,094	1,771	24,694	3,299	40,858
25	10,887	1,783	24,277	3,341	40,288
Holiday					
27	9,989	1,747	24,788	3,502	40,026
28	9,700	1,761	24,695	3,680	39,836
Sunday					
30	7,634 L	1,834	25,636 H	3,896 H	39,000
Average, November, 1931	12,897	1,726	22,615	2,904	40,141
Average, October, 1931	19,363	1,375	11,970	661	33,268
Average, November, 1930	19,550	7,985	26,391	2,427	56,354

H-highest; L-lowest.

Table 10. CORN: Daily open commitments of Clearing Members, all futures combined, at Chicago and Kansas City, during November, 1931.

(In thousands of bushels, i.e., "000" omitted)

Date	Chicago Board of Trade	Kansas City Board of Trade	Total
November, 1931			
Sunday			
2	35,993 L	1,724	37,717 L
3	36,904	1,675	38,579
4	36,736	1,665 L	38,401
5	39,357	1,762	41,119
6	39,728	1,864	41,592
7	41,027	1,892	42,919
Sunday			
9	41,586	2,018	43,604
10	41,158	1,846	43,004
Holiday			
12	40,908	1,943	42,851
13	40,307	1,941	42,248
14	40,286	1,932	42,218
Sunday			
16	40,343	2,026	42,369
17	40,511	2,076	42,587
18	41,498	2,172	43,670
19	41,922 H	2,200	44,122 H
20	41,793	2,056	43,849
21	41,623	2,008	43,631
Sunday			
23	41,558	2,040	43,598
24	40,858	2,151	43,009
25	40,288	2,214 H	42,502
Holiday			
27	40,026	2,133	42,159
28	39,836	2,076	41,912
Sunday			
30	39,000	2,041	41,041
Average, November, 1931	40,141	1,976	42,117
Average, October, 1931	33,268	1,602	34,870
Average, November, 1930	56,354	3,696	60,050

H-highest; L-lowest.

Table 11. CORN: Daily high, low and closing prices of various futures, Chicago Board of Trade, during November, 1931.

(In cents per bushel)

F U T U R E							
Date	D E C E M B E R			:	M A Y		
	High	Low	Closing	:	High	Low	Closing
November, 1931				:			
Sunday				:			
2	42	42 1/2	41 3/4-5/8	:	47 1/4	45 3/8	46 7/8-3/4
3	42 3/8	41	41 3/4-7/8	:	47 1/2	45 7/8	46 1/2-1/2=
4	44 3/4	41	44 1/4-1/2	:	49 1/2	45 3/4	49-49 1/4
5	47 1/4	44 1/2	46 1/4-1/8	:	52 1/4	49 1/2	51 1/8-51
6	47 1/8	43 5/8	46 7/8-47 1/8	:	52 1/4	49	52-52 1/4
7	48 H	46 1/8	47 1/8-47	:	53 1/8 H	51 3/8	52 3/8-1/2
Sunday				:			
9	47 7/8	46	47-46 7/8	:	53	51	52 1/4-1/8
10	46 3/8	44 1/4	44 3/4-7/8	:	51 3/4	49 1/8	49 7/8-50
Holiday				:			
12	44 1/4	42 5/8	42 7/8-43	:	49 3/8	47 7/8	48-48 1/4
13	43 1/8	41 3/4	41 3/4-7/8	:	48 1/4	46 5/8=	46 3/4-3/4=
14	42 1/4	41 1/8	41 3/8-1/4	:	47=	45 3/4	46 1/4-1/8
Sunday				:			
16	43 1/2	42 5/8	43 3/8	:	48	46 7/8	47 7/8-48
17	46 1/8	44	45 7/8-3/4	:	51	48 1/4	50 1/2-3/8
18	45 3/8	44 1/4=	44 3/4=-3/4	:	49 1/2	48 5/8	49-48 7/8=
19	46	44 3/4	45 3/4-5/8	:	50 1/2	49 1/8	50=-50
20	44 7/8	42 1/4	42 3/8-1/4	:	49 3/8	46 3/4	46 7/8-3/4
21	43 7/8	41 1/2	43-42 7/8	:	48 1/4	45 7/8	47 1/4
Sunday				:			
23	43	41 5/8	42	:	47 1/8	46	46 3/8-1/4
24	42 5/8	40 7/8	41 1/4-1/8	:	47	45 1/8	45 3/4-5/8
25	40 1/2	39 5/8	39 7/8-3/4	:	44 7/8	44	44 3/8-1/4=
Holiday				:			
27	38 7/8	37 5/8	38 1/8-1/4	:	43 1/2	42 1/8 L	42 3/4=-7/8
28	38 7/8	37 1/2 L	37 7/8-38	:	43 5/8	42 1/4	42 3/4-7/8
Sunday				:			
30	39 1/2	38 1/8	39 1/4=-1/4	:	44 1/4	43	44 1/8-44
Range, November, 1931		10 1/2		:		11	
Net change (Advance				:			
since 10/31/31 (Decline			1 3/4	:			2 1/8
Highest for future		56 1/2		:		53 1/8	
Date		April 1, 1931		:		November 7, 1931	
Lowest for future		32 3/4=		:		36 5/8	
Date		October 5, 1931		:		October 5, 1931	

H-highest; L-lowest; =(equal sign)-split.



Table 12. CORN: Daily closing prices of the December future at Chicago, Kansas City and Buenos Aires during November, 1931.

(In cents per bushel)

Date	Chicago	Kansas City	Buenos Aires
November, 1931			
Sunday			
2	41 3/4-5/8	39 1/8= b	33 1/8
3	41 3/4-7/8	38 7/8= b	34 1/8
4	44 1/4-1/2	41 1/4= b	35 1/8 H
5	46 1/4-1/8	43 3/8= a	34 1/8
6	46 7/8-47 1/8	43 7/8=	33 7/8
7	47 1/8-47 H	44 1/2-1/2= b	33 1/2
Sunday			
9	47-46 7/8	44 1/2= b	33 3/4
10	44 3/4-7/8	41 3/4= a	31 7/8
Holiday			
12	42 7/8-43	40 3/8=	32 1/4
13	41 3/4-7/8	39 3/8 a	32 3/8
14	41 3/8-1/4	38 7/8 b	31 5/8
Sunday			
16	43 3/8	41 1/8= b	33 1/2
17	45 7/8-3/4	44 1/4= b	33
18	44 3/4=-3/4	43 3/8 a	32 1/2
19	45 3/4-5/8	44 1/2= b H	33 1/8
20	42 3/8-1/4	42= b	31 7/8
21	43-42 7/8	42 1/4-1/8=	32 7/8
Sunday			
23	42	41 1/2= a	32 1/2
24	41 1/4-1/8	41 1/8 b	32 3/8
25	39 7/8-3/4	40= a	30 7/8
26	Holiday	Holiday	29 5/8
27	38 1/8-1/4	38 1/2	29 1/2 L
28	37 7/8-38 L	38 1/2 b L	30 3/8
Sunday			
30	39 1/4=-1/4	40 1/8	30 1/4
Range, November, 1931	9 1/4	6	5 5/8
Net change (Advance		1 3/8	
since 10/31/31 (Decline	1 3/4		1 3/4
Average Spread (Over Chicago			
(Under Chicago		1 5/8	10 5/8

H-highest; L-lowest; a-asked; b-bid; =(equal sign)-split.



Table 13. OATS: Daily volume of trading (sales)  
all futures combined at Chicago and  
Minneapolis, during November, 1931.

(In thousands of bushels, i.e., "000" omitted)

Date	Chicago Board of Trade	Minneapolis Chamber of Commerce	Total
November, 1931			
Sunday			
2	3,028	249	3,277
3	2,503	571	3,074
4	2,718	331	3,049
5	4,384	602 H	4,986
6	3,295	386	3,681
7	3,068	415	3,483
Sunday			
9	3,599	315	3,914
10	4,638 H	400	5,038 H
Holiday			
12	2,216	296	2,512
13	2,161	294	2,455
14	2,006	203	2,209
Sunday			
16	1,497	155 L	1,652
17	1,712	344	2,056
18	1,419	279	1,698
19	821 L	409	1,230 L
20	1,468	289	1,757
21	1,452	186	1,638
Sunday			
23	1,351	233	1,584
24	1,194	237	1,431
25	1,525	238	1,763
Holiday			
27	2,705	539	3,244
28	1,768	404	2,172
Sunday			
30	2,136	557	2,693
Total, November, 1931	52,664	7,932	60,596
Total, October, 1931	32,479	4,357	36,836
Total, November, 1930	95,348	12,823	108,171

H-highest; L-lowest.

Table 14. OATS: Daily open commitments of Clearing  
Members, all futures combined at Chicago,  
and Minneapolis, during November, 1931.

(In thousands of bushels, i.e.. "000" omitted)

Date	Chicago Board of Trade	Minneapolis Chamber of Commerce	Total
November, 1931			
Sunday			
2	23,026	2,672	25,698
3	23,050	2,643	25,693
4	23,367	2,703	26,070
5	23,893	2,590 L	26,483
6	23,763	2,697	26,460
7	23,865	2,756	26,621
Sunday			
9	24,028 H	2,750	26,778 H
10	23,955	2,733	26,688
Holiday			
12	23,704	2,714	26,418
13	23,716	2,688	26,404
14	23,278	2,679	25,957
Sunday			
16	23,063	2,709	25,772
17	22,912	2,670	25,582
18	22,802	2,695	25,497
19	22,666	2,701	25,367
20	22,428	2,740	25,168
21	22,333	2,786 H	25,119
Sunday			
23	22,127	2,745	24,872
24	22,055	2,763	24,818
25	22,085	2,766	24,851
Holiday			
27	21,800	2,731	24,531
28	21,581	2,673	24,254 L
Sunday			
30	21,504 L	2,765	24,269
Average, November, 1931	22,913	2,712	25,625
Average, October, 1931	21,902	2,769	24,671
Average, November, 1930	48,368	6,529	54,897

H-highest; L-lowest.

Table 15. OATS: Daily closing prices of the December  
future at Chicago, Minneapolis and Winnipeg,  
during November, 1931.

(In cents per bushel)

Date	Chicago	Minneapolis	Winnipeg (1)
November, 1931			
Sunday			
2	26 a	25 1/4= b	32 1/2 a H
3	25 1/2	24 7/8 a L	31 3/4= a
4	26 3/8 b	26 b	31 3/4
5	27 1/4 a	26 5/8	31 7/8
6	27 1/4 a	26 5/8 a	31 3/4= b
7	27-26 7/8	26 7/8 b	31 5/8 a
Sunday			
9	28 H	27 1/4 b	31 1/8
10	26 7/8 b	26 1/2 a	30 1/8
Holiday			
12	26 1/2=-5/8	25 7/8 b	30 5/8 a
13	25 7/8 b	25 3/4 b	30
14	25 1/2=	25 1/4 a	29 3/8 a
Sunday			
16	26 1/2	26	30 1/2
17	27 1/8 a	27 1/8 b	30 7/8 b
18	26 3/4	26 3/4 a	30 1/4= a
19	27 1/8 b	27 1/2 a H	30 7/8
20	25 3/4	26 5/8 a	29 3/4 b
21	26 1/2 a	27 1/4 a	30 3/8 b
Sunday			
23	25 3/4= b	26 5/8= a	29 1/4
24	26	27 1/8 b	29 3/8
25	25 3/8-1/4	26 1/4 a	28 1/2
26	Holiday	Holiday	Hol. in U.S.
27	24 1/8-1/4	25	25 1/2 L
28	24= b L	25 b	26 1/4
Sunday			
30	24 3/4	25 3/4 a	27 1/4 b
Range, November, 1931	4	2 5/8	7
Net change (Advance		1	
since 10/31/31 (Decline	1/2		3 5/8
Average spread (Over Chicago		1/8	3 7/8
(Under Chicago			

H-highest; L-lowest; a-asked; b-bid; =(equal sign)-split.

(1) See note on last page of this report.

Table 16. RYE, BARLEY and FLAX: Daily volume of trading  
(sales), all futures combined, at certain  
specified markets during November, 1931.

(In thousands of bushels, i.e., "000" omitted)

Date	R Y E		:	BARLEY	:	FLAX
	Chicago	Minneapolis		Minneapolis		Duluth
November, 1931			:		:	
Sunday			:		:	
2	2,392	430	:	202	:	54
3	2,012	443	:	152	:	116
4	1,721	325	:	208	:	41
5	3,662	454	:	283	:	142 H
6	2,670	538	:	186	:	135
7	3,741	781	:	202	:	112
Sunday			:		:	
9	5,798 H	612	:	185	:	89
10	5,032	1,097 H	:	228	:	133
Holiday			:		:	
12	3,302	605	:	113	:	129
13	2,976	400	:	96	:	118
14	3,641	535	:	109	:	57
Sunday			:		:	
16	2,617	416	:	97	:	80
17	2,794	436	:	190	:	69
18	2,181	383	:	224	:	67
19	1,796	283 L	:	128	:	61
20	2,672	494	:	205	:	114
21	1,527 L	334	:	180	:	41
Sunday			:		:	
23	1,640	343	:	119	:	76
24	1,776	505	:	75 L	:	125
25	1,762	391	:	272	:	115
Holiday			:		:	
27	2,493	666	:	418	:	60
28	1,798	574	:	432 H	:	33 L
Sunday			:		:	
30	1,715	557	:	391	:	77
Total,			:		:	
November, 1931	61,718	11,602	:	4,695	:	2,044
Total,			:		:	
October, 1931	19,508	6,437	:	2,708	:	2,392
Total,			:		:	
November, 1930	42,636	14,961	:	14,404	:	4,040

H-highest; L-lowest.



Table 17. RYE, BARLEY and FLAX: Daily open commitments of Clearing Members, all futures combined, at certain specified markets during November, 1931.

(In thousands of bushels, i.e., "000" omitted)

Date	R Y E		:	BARLEY	:	FLAX
	Chicago	Minneapolis		Minneapolis		Duluth
November, 1931			:		:	
Sunday			:		:	
2	9,592 L	2,965 H	:	1,997	:	687
3	10,016	2,957	:	2,009	:	715
4	10,264	2,954	:	2,042	:	731
5	10,455	2,954	:	2,024	:	756
6	10,729	2,900	:	1,975 L	:	773
7	10,988	2,813	:	2,030	:	778
Sunday			:		:	
9	11,813	2,808	:	2,035	:	773
10	11,993	2,776	:	2,020	:	801 H
Holiday			:		:	
12	11,930	2,790	:	2,008	:	783
13	12,257	2,736	:	2,015	:	770
14	11,995	2,711	:	2,010	:	760
Sunday			:		:	
16	12,012	2,714	:	2,004	:	706
17	12,123	2,701	:	2,052	:	682
18	12,104	2,697	:	2,160	:	669
19	12,231	2,695	:	2,145	:	695
20	12,253	2,752	:	2,162	:	619
21	12,352 H	2,736	:	2,174 H	:	619
Sunday			:		:	
23	12,308	2,727	:	2,127	:	559
24	12,238	2,772	:	2,143	:	529
25	12,166	2,726	:	2,076	:	505
Holiday			:		:	
27	12,046	2,671	:	2,062	:	520
28	11,990	2,638	:	2,044	:	501
Sunday			:		:	
30	12,054	2,622 L	:	2,050	:	481 L
Average, November, 1931	11,648	2,775	:	2,059	:	670
Average, October, 1931	8,784	3,179	:	2,029	:	871
Average, November, 1930	21,574	5,383	:	6,786	:	1,352

H-highest; L-lowest.

Table 18. RYE, BARLEY and FLAX: Daily closing prices of the December future at Chicago, Minneapolis, Winnipeg and Duluth, during November, 1931.  
(In cents per bushel)

Date	R Y E		B A R L E Y		F L A X	
	Chicago	Minneapolis	Winnipeg (1)	Minneapolis	Duluth	Winnipeg (1)
November, 1931						
Sunday						
2	45 5/8 b	44 7/8 a	42 7/8	38 1/8 a	140 3/4 a	95 7/8
3	44 1/2	44 1/8 b	41 3/4	37 1/4 b	138 b	96 3/4 a
4	47 7/8	47 7/8 a	44 1/2 b	39 5/8	144	97 1/8 b
5	49 1/2 a	49 1/8 a	45 3/8	39 7/8 a	143 1/4 b	101 1/4 a H
6	50 3/4	50 1/2 b	45 7/8	39 1/2	143 3/4 a	100 1/2 a
7	54	52 3/4	49 1/8 a	40 5/8 b	146	100 1/2 a
Sunday						
9	56 1/2 H	54 5/8 b H	50 1/4 H	41 a H	148 1/2 a H	100 3/4 a
10	52 b	50 7/8	47 7/8	39 1/2 b	143 3/4 b	97 1/2
Holiday						
12	49 3/4	48 1/2 b	45 1/2 a	38 3/4 a	144 b	95 5/8
13	48 7/8	48 1/2 b	44 1/2	38 b	142 1/2 a	96 1/2 a
14	46 1/2 b	45 3/8 b	42 3/4 a	37 5/8 a	140 3/4 b	92 1/2
Sunday						
16	49 7/8	48 7/8 b	45 1/2 b	38 1/2 b	144 1/8 b	96 1/4
17	51 7/8 b	51 1/4	47 1/4	39 3/4 b	147 7/8	97 1/4 b
18	49 3/4	49 3/4 b	45 1/2 b	39 1/8 a	144 1/4 b	96 3/8 b
19	51 1/2 b	51 7/8 a	46 1/2 b	40 3/4 a	144 1/2 a	96 3/4 b
20	48 1/4	48 1/2 b	43 5/8	39 b	142 1/4	90 7/8 a
21	49	49 1/2 b	44 3/4 b	39 5/8	142 1/4 b	93 3/8 b
Sunday						
23	47 3/8 b	47 1/4 a	42 3/4	39 a	140 a	87 7/8
24	47 3/4 b	48 b	42 3/8 b	39 1/8 b	142 b	89 7/8 b
25	45 3/4 b	45 1/4 a	40	37 3/4 a	139 1/4 a	88 5/8 b
Holiday						
27	42 1/4 b	42 b	Hol.in U.S.	Hol.in U.S.		Hol.in U.S.
28	41 1/4-3/8 L	41 3/4 a L	35 3/4 L	36 5/8 b	137 1/4 L	84 1/2 L
Sunday						
30	43 3/8 b	44 5/8	38 7/8 b	38 a	142 1/4 b	87 a
Range, Nov. 1931	15 1/4	12 7/8	14 1/2	4 3/8	11 1/4	16 3/4
Net change	(Advance	1 1/8		3/4	3 3/4	
since 10/31/31	(Decline 1 3/8		2 3/4			3 1/4
Average spread	(Over Chicago	1/4				
(Under Chicago						

H-highest; L-lowest; a-asked; b-bid.

(1) See note on last page of this report.

Table 19. ALL GRAINS: Daily volume of trading (sales),  
all futures combined at four principal  
markets during November, 1931.

(In thousands of bushels, i.e., "000" omitted)

Date	Chicago Board of Trade	Minneapolis Chamber of Commerce	Kansas City Board of Trade	Duluth Board of Trade	Total
November, 1931					
Sunday					
2	91,439	3,771	7,901	890	104,001
3	82,144	4,545	7,779	1,264 H	95,732
4	95,600	2,835	5,151	734	104,320
5	109,872 H	3,632	6,312	890	120,706 H
6	94,796	3,170	6,285	708	104,959
7	72,323	3,241	3,782	646	79,992
Sunday					
9	89,832	3,608	5,971	649	100,060
10	104,137	4,873 H	8,443 H	804	118,257
Holiday					
12	81,130	3,561	6,508	815	92,014
13	81,276	2,950	5,834	720	90,780
14	81,550	3,362	4,516	407	89,835
Sunday					
16	60,188	2,579	4,389	382	67,538
17	74,691	3,294	5,886	676	84,547
18	60,925	2,565	4,781	450	68,721
19	42,466	2,125 L	3,057	297 L	47,945
20	85,656	3,245	5,149	350	94,400
21	53,589	2,216	4,597	385	60,787
Sunday					
23	62,203	2,141	3,625	398	68,372
24	62,191	2,636	4,291	671	69,789
25	60,276	2,261	3,565	493	66,595
Holiday					
27	73,914	3,296	5,130	372	82,712
28	40,142 L	3,430	2,938 L	779	47,289 L
Sunday					
30	62,557	3,735	5,087	672	72,051
Total	1,722,902	73,071	120,977	14,452	1,931,402
Average	74,909	3,177	5,260	628	83,974

H-highest; L-lowest.



Table 20. WHEAT, CORN, OATS, RYE, BARLEY and FLAX: Total volume of trading (sales), at all contract markets during November, 1931.

(In thousands of bushels, i.e., "000" omitted)

Market	Wheat	Corn	Oats	Rye	Barley	Flax	Total All Grains
Chicago Board of Trade	1,271,635	336,885	52,664	61,718	----	----	1,722,902
Chicago Open Board	35,341	7,778	458	104	----	----	43,681
Minneapolis Chamber of Commerce	47,551	----	7,932	11,602	4,695	1,291	73,071
Kansas City Board of Trade	107,018	13,959	----	----	----	----	120,977
Duluth Board of Trade	10,268 <sup>(1)</sup>	----	----	2,136	4	2,044	14,452
St. Louis Merchants Exchange	<del>2,386</del> 2,248	<del>454</del> 415 1,737	----	----	----	----	<del>2,840</del> 2,663 6,948
Milwaukee Chamber of Commerce	3,156	1,727	1,013	1,042	----	----	6,938
Omaha Grain Exchange	3	103	14	----	----	----	120
Seattle Grain Exchange	751	----	----	----	----	----	751
Portland Grain Exchange	676	----	----	----	----	----	676
San Francisco Chamber of Commerce	----	----	----	----	----	----	0
Los Angeles Grain Exchange	----	----	----	----	----	----	0
New York Produce Exchange	----	----	----	----	----	----	0
Total All Markets, November, 1931	1,478,785	360,916	62,081	76,602	4,699	3,335	1,986,418
Total All Markets, October, 1931	<del>1,478,647</del>	<del>360,867</del>					<del>1,986,231</del>
Total All Markets, November, 1930	925,303	245,687	37,625	27,576	2,708	3,537	1,242,436
	1,094,148	417,918	110,209	64,736	14,518	7,414	1,708,943

(1) All Durum.

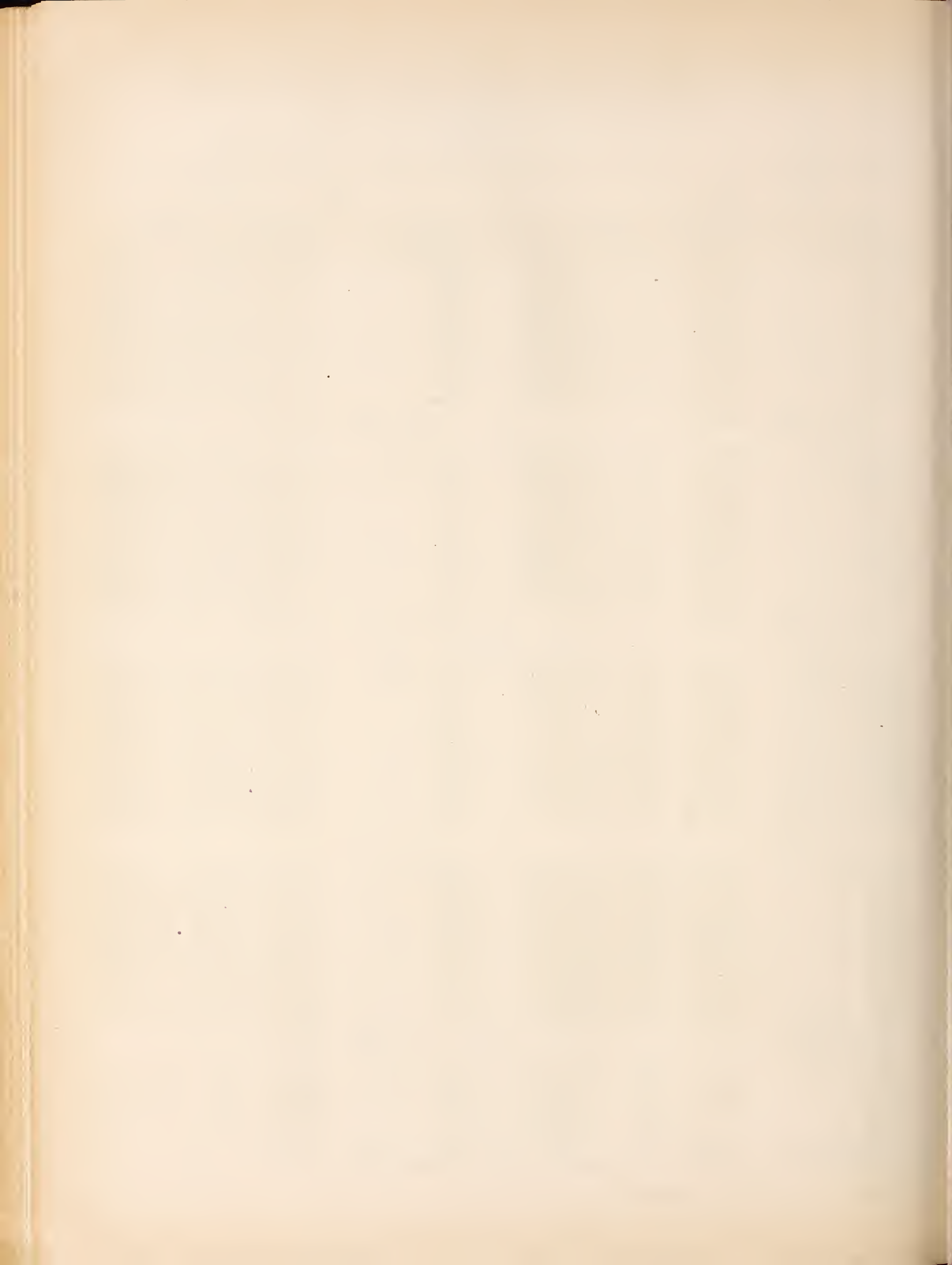


Table 21. WHEAT and CORN: Maximum open commitments of clearing members, Chicago Board of Trade, with dates maximum was reached during life of each future.

(In thousands of bushels, i.e., "000" omitted)

WHEAT			:	CORN		
Future	Maximum	Date	:	Future	Maximum	Date
1924 May	76,973	Jan. 3, 1924	:	1924 May	49,683	Mar. 6, 1924
1925 "	107,472	Dec. 9, 1924	:	1925 "	51,527	Dec. 15, 1924
1926 "	94,694*	Dec. 31, 1925	:	1926 "	43,594	Feb. 16, 1926
1927 "	79,001	Dec. 14, 1926	:	1927 "	64,777	Feb. 4, 1927
1928 "	57,543	Jan. 18, 1928	:	1928 "	73,819	Feb. 29, 1928
1929 "	112,671	Dec. 31, 1928	:	1929 "	53,197	Feb. 28, 1929
1930 "	162,892	Jan. 17, 1930	:	1930 "	29,655	Feb. 21, 1930
1931 "	118,031*	Dec. 17, 1930	:	1931 "	42,487*	Jan. 22, 1931
Average Max.	101,160		:	Average Max.	51,717	
			:			
1924 July	40,645	May 12, 1924	:	1924 July	30,448	May 17, 1924
1925 "	54,161	May 22, 1925	:	1925 "	31,933	Mar. 13, 1925
1926 "	54,724	June 3, 1926	:	1926 "	35,440	May 29, 1926
1927 "	41,842	May 23, 1927	:	1927 "	47,235	May 17, 1927
1928 "	71,317	Apr. 30, 1928	:	1928 "	56,958	May 2, 1928
1929 "	77,098	May 7, 1929	:	1929 "	36,971	May 6, 1929
1930 "	66,173	May 15, 1930	:	1930 "	26,442	May 2, 1930
1931 "	37,171	Mar. 27, 1931	:	1931 "	21,101	June 5, 1931
Average Max.	55,391		:	Average Max.	35,816	
			:			
1924 Sept.	54,081	July 10, 1924	:	1924 Sept.	22,036	June 2, 1924
1925 "	48,737	June 20, 1925	:	1925 "	27,389	July 15, 1925
1926 "	52,170	Aug. 4, 1926	:	1926 "	35,512	July 9, 1926
1927 "	53,028	Aug. 4, 1927	:	1927 "	66,837	July 2, 1927
1928 "	61,951	July 5, 1928	:	1928 "	39,068	Aug. 6, 1928
1929 "	97,098	July 18, 1929	:	1929 "	26,148	July 13, 1929
1930 "	69,183	July 28, 1930	:	1930 "	19,549	July 8, 1930
1931 "	44,786	July 21, 1931	:	1931 "	16,531	July 31, 1931
Average Max.	60,129		:	Average Max.	31,634	
			:			
1923 Dec.	61,886	Sept. 18, 1923	:	1923 Dec.	28,686	Nov. 6, 1923
1924 "	75,381	Sept. 10, 1924	:	1924 "	33,032	Oct. 2, 1924
1925 "	66,616*	Sept. 23, 1925	:	1925 "	34,345	Nov. 6, 1925
1926 "	69,627	Sept. 10, 1926	:	1926 "	35,186	Sept. 28, 1926
1927 "	67,534	Sept. 17, 1927	:	1927 "	51,568	Sept. 15, 1927
1928 "	86,240	Sept. 19, 1928	:	1928 "	62,603	Nov. 1, 1928
1929 "	162,988	Sept. 17, 1929	:	1929 "	31,163	Sept. 13, 1929
1930 "	109,256	Sept. 17, 1930	:	1930 "	32,219	Aug. 29, 1930
Average Max.	87,441		:	Average Max.	38,600	
			:			
1928 March	16,879	Dec. 12, 1927	:	1928 March	23,574	Dec. 19, 1927
1929 "	14,398	Jan. 4, 1929	:	1929 "	19,114	Dec. 31, 1928
1930 "	19,713	Dec. 21, 1929	:	1930 "	7,250	Jan. 7, 1930
1931 "	18,112*	Nov. 13, 1930	:	1931 "	8,383*	Nov. 12, 1930
Average Max.	17,276		:	Average Max.	14,500	

\*Old and New Style combined.



Note: Because of the wide fluctuations in foreign exchange, which began September 21, 1931, and are still continuing, the Liverpool prices are calculated from the closing price of the pound sterling on the money exchange and the closing price of Liverpool futures on the grain exchange, while the Winnipeg prices are calculated from the closing price on the Winnipeg grain exchange and the discounts on Canadian currency as used by the Continental-Illinois Bank & Trust Co.

The following tables show the reported high, low and closing quotations on the pound sterling, together with the high, low and closing per cent discounts applied to Canadian currency:

<u>Pound Sterling</u>				:	<u>Canadian Currency</u>		
				:			
				:	<u>High</u>	<u>Low</u>	<u>Closing</u>
				:	<u>Per Cent</u>	<u>Per Cent</u>	<u>Per Cent</u>
1931	.			:			
Nov. 2	\$3.79 1/2	\$3.71 1/2	\$3.71 1/2	:	10	9 3/4	9 3/4
3	3.74	3.72	3.74	:	9 3/4	9 9/16	9 9/16
4	3.76	3.74	3.75	:	9 7/8	9 3/4	9 7/8
5	3.76 1/2	3.74 1/4	3.76	:	9 7/8	9 5/8	9 5/8
6	3.81 1/2	3.76	3.80	:	9 1/2	9 3/8	9 1/2
7	3.81	3.79 1/2	3.80 1/2	:	9 5/8	9 1/2	9 1/2
9	3.81 1/2	3.76	3.81 1/2	:	9 13/16	9 5/8	9 5/8
10	3.83	3.79 1/2	3.79 1/2	:	9 11/16	9 5/8	9 11/16
12	3.80	3.77	3.77 1/2	:	9 13/16	9 3/4	9 13/16
13	3.77 3/4	3.75 1/2	3.75 1/2	:	10 1/16	9 13/16	10
14	3.77	3.76	3.76	:	10 1/4	10	10 1/4
16	3.79	3.78	3.78 1/2	:	10 3/16	9 7/8	10 1/4
17	3.79	3.76 3/4	3.76 3/4	:	10 1/4	10	10
18	3.77 1/4	3.76 1/4	3.77	:	10 3/8	10	10 5/16
19	3.76 1/2	3.75 1/2	3.75 3/4	:	11 1/4	10 3/4	11 1/4
20	3.74	3.73 1/2	3.73 1/2	:	12 1/16	11	11 15/16
21	3.73	3.71 3/4	3.72	:	11 1/8	11	11 1/8
23	3.66 1/2	3.64 1/2	3.65 1/4	:	12 1/2	12 1/8	12 1/8
24	3.69 1/2	3.64	3.68	:	12 3/8	12 1/8	12 1/8
25	3.68 3/4	3.61 1/2	3.61 1/2	:	12 1/4	12 1/8	12 1/4
27	3.56	3.52	3.54 1/2	:	13 1/4	12 3/8	13 1/8
28	3.54	3.52	3.52	:	13 1/4	13 1/8	13 1/8
30	3.43	3.40 1/2	3.42	:	14	13 1/4	13 5/8

